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ABSTRACT

This book reinforces the outstanding work done by the National Council of Teachers of Mathematics (NCTM) in developing curriculum standards for students in kindergarten through fourth grade by discussing the 13 strands of mathematics and their implications for teachers and parents who work with students. It also provides some suggested resources within each of these 13 curricular strands that can assist teachers and parents in helping students to enjoy math and to increase the students' mathematical understandings. Books, manipulatives, games, kits, computer programs, videos, and other items have been included in the list of resources. Strands include mathematics as problem solving, mathematics as communication, mathematics as reasoning, mathematical connections, estimation, number sense and numeration, concepts of whole number operations, whole number computation, geometry and spatial sense, measurement, statistics and probability, fractions and decimals, and patterns and relationships. Each chapter focuses on a different strand and includes a brief discussion followed by a list of resources to help students grasp the appropriate concepts. The last two chapters contain a list of resources for use across the NCTM standards and addresses of publishers and suppliers. (JRH)

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